

CERTIFICATE OF ANALYSIS

Client information

Ostara Medical
5331 Avenue Pierre Dansereau
Salaberry de Valleyfield, Canada, J6S 6A2

COA information

COA number **230413_53823_PAR14948**
COA Date **13-Apr-2023**
Analysis Request ID **PAR14948**

Sample information

Sample Name **OM-001-GPS-001**
Sample ID **E2-OM-001-GPS-001**
Laboratory ID **PAT46270**
Method Ref. **PAT-AM-019**

Sample Receiving Date **11-Apr-2023**
Receiving Temperature **21°C**
Analysis Date **12-Apr-2023**

Cannabinoids Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
CBC	<0.010	<0.100	0.010
CBD	<0.010	<0.100	0.010
CBDA	0.072	0.720	0.010
CBDV	<0.010	<0.100	0.010
CBG	0.146	1.460	0.010
CBGA	1.435	14.350	0.010
CBN	<0.010	<0.100	0.010
D8-THC	<0.010	<0.100	0.010
D9-THC	0.791	7.910	0.010
THCA-A	35.504	355.040	0.010
THCV	<0.010	<0.100	0.010
Total THC	31.928	319.280	
Total CBD	0.063	0.631	

31.928%
Total THC

0.063%
Total CBD

Total THC = THC + (THCA*0.877), Total CBD = CBD + (CBDA*0.877)

Total THC/CBD is calculated using the formulas to take into account the loss of carboxyl group during decarboxylation step.

Authorized by: Laboratory Manager

Signature:



Details of testing

1. LOQ- *Limit of quantification*
2. % w/w: *percent (weight of analyte/ weight of product)*
3. *Results only apply to the items tested and to the sample(s) as received.*
4. *This report may not be distributed or reproduced except in full*



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CERTIFICATE OF ANALYSIS

Client information

Ostara Medical
5331 Avenue Pierre Dansereau
Salaberry de Valleyfield, Canada, J6S 6A2

COA information

COA number **230417_54189_PAR14948**
COA Date **17-Apr-2023**
Analysis Request ID **PAR14948**

Sample information

Sample Name **OM-001-GPS-001** Sample Receiving Date **11-Apr-2023**
Sample ID **E2-OM-001-GPS-001** Receiving Temperature **21°C**
Laboratory ID **PAT46270**

Results information

Analysis Date	Test	Method Ref.	Results	Units
13-Apr-2023	Moisture	PAT-AM-023(USP <731>)	13.21	%

Authorized by: Laboratory Manager

Signature:



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Sample information

Sample Name	OM-001-GPS-001	Sample Receiving Date	11-Apr-2023
Sample ID	E2-OM-001-GPS-001	Receiving Temperature	21°C
Laboratory ID	PAT46270	Analysis Date	14-Apr-2023
Method Ref.	PAT-AM-022		

Terpenes Profile

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
Terpinolene	1.318	13.180	0.001
Beta-Myrcene	1.280	12.800	0.001
d-Limonene	0.210	2.100	0.001
trans-Nerolidol	0.184	1.840	0.001
beta-Caryophyllene	0.171	1.710	0.001
Beta-Pinene	0.147	1.470	0.001
trans-beta-ocimene	0.110	1.100	0.001
Linalool	0.082	0.820	0.001
Alpha-Pinene	0.078	0.780	0.001
alpha-Humulene	0.077	0.770	0.001
Delta-3-Carene	0.056	0.560	0.001
Alpha-Terpinene	0.046	0.460	0.001
alpha-Terpineol	0.044	0.440	0.001
gamma-Terpinene	0.029	0.290	0.001
(-)-alpha-Bisabolol	0.026	0.260	0.001
p-Isopropyltoluene (p-Cymene)	0.024	0.240	0.001
Valencene	0.023	0.230	0.001
cis-Nerolidol	0.022	0.220	0.001
trans-beta-Farnesene	0.017	0.170	0.001
1,8-Cineole (Eucalyptol)	0.016	0.160	0.001
1R-endo-Fenchyl-Alcohol	0.013	0.130	0.001
Sabinene	0.008	0.080	0.001
Squalene	0.003	0.030	0.001
Camphene	0.002	0.020	0.001
(-)-Guaial	<0.001	<0.010	0.001
(-)-Isopulegol	<0.001	<0.010	0.001
alpha-Cedrene	<0.001	<0.010	0.001
Borneol	<0.001	<0.010	0.001
Carvacrol	<0.001	<0.010	0.001
Cedrol	<0.001	<0.010	0.001
cis-beta-Ocimene	<0.001	<0.010	0.001
Citronellol	<0.001	<0.010	0.001
Farnesol 1	0.001	0.010	0.001
Farnesol 2	0.001	0.010	0.001
Geraniol	<0.001	<0.010	0.001
Isoborneol	<0.001	<0.010	0.001
Menthol	<0.001	<0.010	0.001
m-Isopropyltoluene	<0.001	<0.010	0.001
Nerol	<0.001	<0.010	0.001
o-Isopropyltoluene	<0.001	<0.010	0.001

Compounds	Results (%w/w)	Results (mg/g)	LOQ(%)
Phytane	<0.001	<0.010	0.001
Sabinene hydrate	<0.001	<0.010	0.001
Terpinen-4-ol	0.001	0.010	0.001
Thymol	<0.001	<0.010	0.001
Total Terpenes	3.989	39.890	

Authorized by: Laboratory Manager

Signature: 

Details of testing

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CERTIFICATE OF ANALYSIS

Client information

Ostara Medical
5331 Avenue Pierre Dansereau
Salaberry de Valleyfield, Canada, J6S 6A2

COA information

COA number **230417_54281_PAR14948**
COA Date **17-Apr-2023**
Analysis Request ID **PAR14948**

Sample information

Sample Name **OM-001-GPS-001** Sample Receiving Date **11-Apr-2023**
Sample ID **E1-OM-001-GPS-001** Receiving Temperature **21°C**
Laboratory ID **PAT46269**

Results information

Analysis Date	Test	Method Ref.	Results	Units
14-Apr-2023	Water activity	PAT-AM-025	0.4227	aW

Authorized by: Laboratory Manager

Signature:



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Sample information

Sample Name	OM-001-GPS-001	Sample Receiving Date	11-Apr-2023
Sample ID	E1-OM-001-GPS-001	Receiving Temperature	21°C
Laboratory ID	PAT46269	Analysis Date	14-Apr-2023
Method Ref.	PAT-AM-024		

Results Information

Aflatoxins	Results	Unit	LOQ
Aflatoxin B1	<0.002	ppm	0.002
Aflatoxin B2	<0.002	ppm	0.002
Aflatoxin G1	<0.002	ppm	0.002
Aflatoxin G2	<0.002	ppm	0.002
Total Aflatoxins (B1,B2,G1,G2)	<0.002	ppm	0.002

Authorized by: Laboratory Manager

Signature:



Details of testing

1. LOQ- Limit of quantification
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Sample information

Sample Name	OM-001-GPS-001	Sample Receiving Date	11-Apr-2023
Sample ID	E1-OM-001-GPS-001	Receiving Temperature	21°C
Laboratory ID	PAT46269	Analysis Date	14-Apr-2023
Method Ref.	PAT-AM-026(USP <561>)		

Results Information

Foreign Material	Results	Unit	LOQ
Foreign elements	0	/g	N/A
Foreign organs	0	/g	N/A
Other Foreign elements	0	/g	N/A
Total Foreign matter	0	/g	N/A

Authorized by: Laboratory Manager

Signature: 

Details of testing

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Sample information

Sample Name	OM-001-GPS-001	Sample Receiving Date	11-Apr-2023
Sample ID	E1-OM-001-GPS-001	Receiving Temperature	21°C
Laboratory ID	PAT46269	Analysis Date	17-Apr-2023
Method Ref.	PAT-AM-020 (USP 233 Modified)		

Results Information

Heavy Metals	Results	Unit	Specification (USP 232(Inhalation Limits))	Compliance	LOQ
Arsenic	<0.025	ppm	<= 0.2	PASS	0.025
Cadmium	<0.020	ppm	<= 0.3	PASS	0.02
Lead	<0.010	ppm	<= 0.5	PASS	0.01
Mercury	<0.005	ppm	<= 0.1	PASS	0.005

Authorized by: Laboratory Manager

Signature: 

Details of testing

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Sample information

Sample Name	OM-001-GPS-001	Sample Receiving Date	11-Apr-2023
Sample ID	E1-OM-001-GPS-001	Receiving Temperature	21°C
Laboratory ID	PAT46269	Analysis Date	16-Apr-2023
Method Ref.	PAT-AM-024		

Pesticides Dried Cannabis Results Information

Compound Detected	Results (ppm)	RDL	Specification (HC MRL Limits)	Compliance
No Compounds Detected				

Compounds Not Detected	Results (ppm)	RDL	Specification (HC MRL Limits)
Abamectin	ND	0.02	< 0.1
Acephate	ND	0.02	< 0.02
Acequinocyl	ND	0.02	< 0.03
Acetamiprid	ND	0.02	< 0.1
Aldicarb	ND	0.02	< 1
Allethrin	ND	0.02	< 0.2
Azadirachtin	ND	0.02	< 1
Azoxystrobin	ND	0.01	< 0.02
Benzovindiflupyr	ND	0.01	< 0.02
Bifenazate	ND	0.02	< 0.02
Bifenthrin	ND	0.02	< 1
Boscalid	ND	0.01	< 0.02
Buprofezin	ND	0.01	< 0.02
Carbaryl	ND	0.02	< 0.05
Carbofuran	ND	0.01	< 0.02
Chlorantraniliprole	ND	0.01	< 0.02
Chlorphenapyr	ND	0.05	< 0.05
Chlorpyrifos	ND	0.01	< 0.04
Clofentezine	ND	0.01	< 0.02
Clothianidin	ND	0.02	< 0.05
Coumaphos	ND	0.01	< 0.02
Cyantraniliprole	ND	0.01	< 0.02
Cyfluthrin	ND	0.1	< 0.2
Cypermethrin	ND	0.02	< 0.3
Cyprodinil	ND	0.02	< 0.25
Daminozide	ND	0.05	< 0.1
Deltamethrin	ND	0.02	< 0.5
Diazinon	ND	0.01	< 0.02
Dichlorvos	ND	0.02	< 0.1
Dimethoate	ND	0.01	< 0.02
Dimethomorph	ND	0.02	< 0.05
Dinotefuran	ND	0.02	< 0.1
Dodemorph	ND	0.02	< 0.05
Endosulfan sulfate	ND	0.02	< 0.05
Endosulfan-alpha	ND	0.1	< 0.2
Endosulfan-beta	ND	0.01	< 0.05
Ethoprophos	ND	0.01	< 0.02

Compounds Not Detected	Results (ppm)	RDL	Specification (HC MRL Limits)
Etofenprox	ND	0.01	< 0.05
Etoazole	ND	0.01	< 0.02
Etridiazole	ND	0.01	< 0.03
Fenoxycarb	ND	0.01	< 0.02
Fenpyroximate	ND	0.02	< 0.02
Fensulfothion	ND	0.01	< 0.02
Fenthion	ND	0.01	< 0.02
Fenvalerate	ND	0.05	< 0.1
Fipronil	ND	0.01	< 0.06
Flonicamid	ND	0.02	< 0.05
Fludioxonil	ND	0.01	< 0.02
Fluopyram	ND	0.01	< 0.02
Hexythiazox	ND	0.01	< 0.01
Imazalil	ND	0.01	< 0.05
Imidacloprid	ND	0.01	< 0.02
Iprodione	ND	0.5	< 1
Kinoprene	ND	0.05	< 0.5
Kresoxim-methyl	ND	0.01	< 0.02
Malathion	ND	0.01	< 0.02
Metalaxyl	ND	0.01	< 0.02
Methiocarb	ND	0.01	< 0.02
Methomyl	ND	0.02	< 0.05
Methoprene	ND	0.5	< 2
Mevinphos	ND	0.02	< 0.05
MGK-264	ND	0.02	< 0.05
Myclobutanil	ND	0.01	< 0.02
Naled	ND	0.02	< 0.1
Novaluron	ND	0.02	< 0.05
Oxamyl	ND	0.02	< 3
Paclobutrazol	ND	0.01	< 0.02
Parathion-methyl	ND	0.02	< 0.05
Permethrin	ND	0.1	< 0.5
Phenothrin	ND	0.02	< 0.05
Phosmet	ND	0.01	< 0.02
Piperonyl butoxide	ND	0.02	< 0.2
Pirimicarb	ND	0.01	< 0.02
Prallethrin	ND	0.02	< 0.05
Propiconazole	ND	0.01	< 0.1
Propoxur	ND	0.01	< 0.02
Pyraclostrobin	ND	0.01	< 0.02
Pyrethrins	ND	0.025	< 0.05
Pyridaben	ND	0.02	< 0.05
Quintozene	ND	0.01	< 0.02
Resmethrin	ND	0.02	< 0.1
Spinetoram	ND	0.01	< 0.02
Spinosad	ND	0.01	< 0.1
Spirodiclofen	ND	0.02	< 0.25
Spiromesifen	ND	0.02	< 3
Spirotetramat	ND	0.02	< 0.02
Spiroxamine	ND	0.01	< 0.1
Tebuconazole	ND	0.01	< 0.05

Compounds Not Detected	Results (ppm)	RDL	Specification (HC MRL Limits)
Tebufozide	ND	0.01	< 0.02
Teflubenzuron	ND	0.02	< 0.05
Tetrachlorvinphos	ND	0.01	< 0.02
Tetramethrin	ND	0.02	< 0.1
Thiacloprid	ND	0.01	< 0.02
Thiamethoxam	ND	0.01	< 0.02
Thiophanate-methyl	ND	0.02	< 0.05
Trifloxystrobin	ND	0.01	< 0.02

Authorized by: Laboratory Manager

Signature: 

Details of testing

1. ppm (w/w): parts per million by weight, MRL: Maximum residue limits, RDL: Reporting detection limits
2. The compounds are ND (not detected) at or above the RDL
3. Health Canada and/or United States MRL are taken from Health Canada & Global MRL Database (where applicable) on the date of COA preparation
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COA information

COA number **230417_54294_PAR14948**
COA Date **17-Apr-2023**
Analysis Request ID **PAR14948**

Sample information

Sample Name **OM-001-GPS-001** Sample Receiving Date **11-Apr-2023**
Sample ID **E1-OM-001-GPS-001** Receiving Temperature **21°C**
Laboratory ID **PAT46269**

Results information

Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
14-Apr-2023	Aerobic Microbial Count	EP 2.6.12	<10	CFU/g	<= 500000	PASS
17-Apr-2023	Escherichia coli	EP 2.6.13	Negative	/g	Negative	PASS
17-Apr-2023	Salmonella spp.	EP 2.6.13	Negative	/25g	Negative	PASS
16-Apr-2023	Yeast and Mold Count	EP 2.6.12	50	CFU/g	<= 50000	PASS
Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
17-Apr-2023	Bile-Tolerant Gram Negative Bacteria	EP 2.6.13	<100	MPN/g	<= 10000	PASS
Analysis Date	Test	Method Ref.	Results	Units	Specification (EP 5.1.8 Microbiology)	Compliance
14-Apr-2023	Staphylococcus aureus	EP 2.6.13	Negative	/g	Negative	PASS
14-Apr-2023	Pseudomonas aeruginosa	EP 2.6.13	Negative	/g	Negative	PASS

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